## INTERNATIONAL SEARCH REPORT

Inter. nal Application No PCT/JP2004/015661

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A. CLASSI IPC 7	FICATION OF SUBJECT MATTER H01M8/04		
According to	o International Patent Classification (IPC) or to both national classifica	ation and IPC	
B. FIELDS	SEARCHED		
Minimum do IPC 7	ocumentation searched (classification system followed by classification H01M	on symbols)	
Documenta	tion searched other than minimum documentation to the extent that s	uch documents are included in the fields sea	arched
Electronic d	ata base consulted during the international search (name of data bas	se and, where practical, search terms used)	
EPO-In	ternal, WPI Data, PAJ		
0.000	FAITS CONCIDENTED TO DE RELEVANT		
C, DOCUM Category °	ENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the rele	· sensesser theve	Relevant to claim No.
Category	Challott of document, with indication, where appropriate, of the rese	vant passages	110.074.1.0 0.4
Х	X US 2003/207162 A1 (REISER CARL A) 6 November 2003 (2003-11-06) paragraphs [0006], [0017]; claim 1;		
	figure 2	:	
х	US 6 294 277 B1 (UENO MASATAKA E 25 September 2001 (2001-09-25) abstract	1-3,5,6, 8,24,25	
	column 4, line 46 - line 60		
Х	US 6 387 556 B1 (FUGLEVAND WILLIA AL) 14 May 2002 (2002-05-14) abstract; figures 4,19	1-4,25	
A	US 2002/028362 A1 (PREDIGER DENN 7 March 2002 (2002-03-07) abstract paragraph [0035]	IS ET AL)	1-8,24, 25
Furth	ner documents are listed in the continuation of box C.	X Patent family members are listed in	n annex.
° Special ca	tegories of cited documents:	"T" later document published after the inter	mational filing date
consid	nt defining the general state of the art which is not ered to be of particular relevance	or priority date and not in conflict with t cited to understand the principle or the invention	ory underlying the
filing d		"X" document of particular relevance; the cl cannot be considered novel or cannot	be considered to
"L" docume which l citation	nt which may throw doubts on priority claim(s) or is cited to establish the publication date of another n or other special reason (as specified)	involve an inventive step when the doc "Y" document of particular relevance; the cl -cannot be considered to involve an inv	aimed invention
<del></del>	ent referring to an oral disclosure, use, exhibition or	document is combined with one or more ments, such combination being obvious	re other such docu-
"P" docume	nt published prior to the international filing date but an the priority date claimed	in the art. "&" document member of the same patent f	
Date of the a	actual completion of the international search	Date of mailing of the international sear	ch report
1:	1 May 2005	2 3. <u>n7. 05</u>	
Name and m	nalling address of the ISA	Authorized officer	
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Hintermaier, F	

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ational application No. PCT/JP2004/015661

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)							
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:							
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:							
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:							
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).							
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)							
This International Searching Authority found multiple inventions in this international application, as follows:							
see additional sheet							
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.							
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.							
3. As only some of the required additional search fees were timely pald by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:							
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1-8, 24, 25							
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.							

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-8,24,25

A fuel cell system comprising a voltage detector and a control unit characterized by a control unit capable of varying the value of the load current in accordance with the detected voltage.

2. claims: 9-11, 15-20

A fuel cell system comprising a voltage detector and a control unit characterized by further comprising a stack heating unit and the control unit being capable of varying the heating value of the heating unit in accordance with the detected voltage or by further comprising a unit for circulating a heating medium through the fuel cell stack and the control unit being capable of varying the flow rate or the temperature of the heating medium in accordance with the detected voltage.

3. claims: 12-14, 21-23

A fuel cell system comprising a voltage detector and a control unit characterized by further comprising a reactant gas flow rate control unit and the control unit being capable of varying theflow rate of the reactant gas in accordance with the detected voltage or further comprising a reactant gas pressure control unit and the control unit being capable of varying the pressure of the reactant gas in accordance with the detected voltage.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

Interri 1al Application No
PCT/JP2004/015661

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